

# Morbidity and Mortality

Weekly  
Report

PUBLIC HEALTH SERVICE

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## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended April 18, 1959

### EPIDEMIOLOGICAL REPORTS

#### Influenza

Dr. Morris Greenberg, New York City Department of Health, has reported the isolation of 3 strains of type A2 (Asian) influenza virus from throat washings taken on April 1. Two were from women 31 and 82 years old who were admitted to a hospital with symptoms of upper respiratory illness. The third was from a 62-year-old woman who had been in a hospital for about a week and then developed symptoms of respiratory disease.

Dr. D. S. Fleming, Minnesota Department of Health, states that reports of sporadic cases of influenza-like disease have been received from various areas of the State but that there have been no reports or indications of outbreaks. No isolations of virus have been made, but serologic tests have indicated rises in antibody titer in complement fixation tests. In 2 instances there was a significant rise in titer with type A virus and in 4

instances with type B. The 6 persons who showed serologic evidence of influenza infection resided in 4 different counties.

Dr. John E. Hotchin, New York State Department of Health, states that an outbreak of respiratory illness, beginning about March 10, affected approximately half of the 1,100 pupils and teachers in a high school in Albany County. This high absenteeism rate resulted in closing of the school. Two of 4 paired sera from 4 persons affected showed a 16-fold rise in antibody titer for type B influenza. Virus isolation studies on specimens from the same 4 persons are under way. Dr. Hotchin also reported that each of 2 specimens of serum from a 15-year-old boy who became ill on March 14 and died on March 25 showed titers greater than 515 in complement fixation tests. The first specimen was collected on March 24, and the second was collected at autopsy on March 25.

The Preventive Medicine Division, Office of the Surgeon

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Table 1. Cases of Specified Notifiable Diseases: Continental United States

(See page 8 for source and nature of data)

DISEASE (Seventh Revision of International Lists, 1955)	15th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Apr. 18, 1959 <sup>1</sup>	Ended Apr. 19, 1958	Median 1954-58	First 15 weeks			Since seasonal low week			
				1959 <sup>1</sup>	1958	Median 1954-58	1958-59 <sup>1</sup>	1957-58	Median 1953-54 to 1957-58	
Anthrax-----062	2 <sup>1</sup>	-	1	4	1	7	(3)	(3)	(3)	(3)
Botulism-----049.1	-	-	-	2	-	-	(3)	(3)	(3)	(3)
Brucellosis (undulant fever)-----044	18	17	23	204	196	271	(3)	(3)	(3)	(3)
Diphtheria-----055	14	14	18	281	230	494	893	1,028	1,730	July 1
Encephalitis, infectious-----082	29	32	26	401	386	348	2,142	1,699	1,699	June 1
Hepatitis, infectious, and serum-----092, 1998.5 pt.	483	450	470	8,084	5,020	7,329	13,501	9,339	15,238	Sept. 1
Malaria-----110-117	1	-	4	19	12	48	(3)	(3)	(3)	(3)
Measles-----085	14,815	37,239	30,217	202,438	330,726	281,608	253,827	369,166	325,722	Sept. 1
Meningococcal infections-----057	53	45	49	833	948	1,024	1,696	1,957	1,991	Sept. 1
Meningitis, other-----340	452	43	-	945	764	-	-	-	-	-
Poliomyelitis-----080	18	12	74	334	234	1,198	66	47	196	Apr. 1
Paralytic-----080.0, 080.1	13	5	32	231	127	523	44	24	86	Apr. 1
Nonparalytic-----080.2	3	2	17	56	70	318	11	11	45	Apr. 1
Unspecified-----080.3	2	5	12	47	37	223	11	12	37	Apr. 1
Psittacosis-----096.2	2	4	5	36	42	77	(3)	(3)	(3)	(3)
Rabies in man-----094	-	-	-	-	2	2	(3)	(3)	(3)	(3)
Typhoid fever-----040	5	16	27	145	207	361	21	41	71	Apr. 1
Typhus fever, endemic-----101	1	1	2	9	12	20	3	1	4	Apr. 1
Rabies in animals-----	76	112	135	1,201	1,541	1,866	2,092	2,439	2,966	Oct. 1

<sup>1</sup>Data exclude reports from Idaho and Wyoming for the current week.

<sup>2</sup>Reported in Arkansas.

<sup>3</sup>Data show no pronounced seasonal change in incidence.

<sup>4</sup>Includes 6 cases of aseptic meningitis; see footnote to table 2.

## EPIDEMIOLOGICAL REPORTS—Continued

General, U. S. Department of the Army, states that of 93 specimens of paired serum obtained at Fort Ord, California, 35 were positive for type A influenza, 2 for type B, and 35 for adenovirus.

Dr. G. E. McDaniel, South Carolina Board of Health, reports that unusual school absenteeism has been noted in some parts of Spartanburg County. The influenza-like illness has been characterized by headache, fever, malaise, and dry cough lasting 3 to 5 days. Laboratory studies are in progress.

A slight increase in incidence of influenza has been reported in Oregon, but there has been no confirmation of diagnoses by laboratory tests. Several viruses not belonging to the influenza group are in process of identification.

Mortality from all causes and from influenza and pneumonia for the week ended April 18 was lower than for the previous week. However, the figures were still significantly higher than the average number of deaths reported for the 15th week.

The World Health Organization reports that serologic examinations showed influenza type B to be responsible for the limited outbreaks recently reported in Portugal.

Malaria

Dr. James C. Hart, Connecticut State Department of Health, supplied information on a case of malaria in a 6-year-old child. The child and her family lived in Africa from December 1954 to October 1958. During this period and for 2 months after returning to Connecticut, malaria preventives were taken. In 1956, while in Africa, the girl had an illness variously diagnosed as malaria and amebiasis. Following this she was well until mid-March 1959 when she had "a virus." On April 7, 9, and 11, she had characteristic malarial chills. Blood smears prepared on April 11 showed Plasmodium vivax. The girl's father had malaria while in Africa but her mother and younger sister have remained well.

Nitrite poisoning from fish

Dr. Adele C. Shepard, New Jersey Department of Health, has supplied information on cases of nitrite poisoning that occurred in residents of New Jersey after eating fish. One family, consisting of the father, mother, and 4 children ranging in age from 3 to 9 years, had purchased fresh filet of fluke in a chain store. After being washed and coated with bread crumbs, the fish was fried. Varied amounts of the fish were eaten by different members of the family. Within 1 hour, 2 of the children became ill with typical signs of methemoglobinemia, including dyspnea, cyanosis, weak and thready pulse, severe abdominal pain, coma, and shock. Oxygen was given to the children in transit by ambulance to the hospital. At the hospital 1 child was given methylene blue and blood transfusions. The other child died on arrival. The other 2 children appeared normal but were taken to the hospital, and on arrival one was in shock. Oxygen, methylene blue, and exchange transfusion were given. The remaining 3 members of the family showed no symptoms suggestive of methemoglobinemia. Specimens of the fish obtained from the home were reported as showing nitrites ranging from 135 to 494 milligrams percent.

It was ascertained that additional persons in Philadelphia became ill. A total of 17 cases, with 2 deaths, were reported to have occurred. Some illnesses following the ingestion of the fish were regarded as of psychogenic origin, and some others were attributed to decomposition of the fish. Typical symptoms of methemoglobinemia were varying degrees of cyanosis, bleeding freely from abrasions, nausea, vomiting, extreme weakness, dizziness, pallor, diarrhea, headache, syncope, and fever.

The fish was shipped by one distributor in Philadelphia to stores in eastern Pennsylvania, New Jersey, and Delaware. Immediate steps were taken to recall and destroy all supplies of filet of fluke and of flounder that had been distributed.

Trichinosis

Dr. Harold T. Fuerst, New York City Department of Health, reported 4 cases of trichinosis in members of 3 families. The onsets occurred over an 18-day period beginning about 3 weeks after the purchase of 2 freshly slaughtered pigs from a farmer. In addition to various roasts which were eaten by the 3 families, some cuts of meat were pickled and a large amount of sausage was made. The sausage was smoked for 3 days but not further cooked. The pork products were eaten at frequent intervals by all 3 families. Viable trichina were found in a sample of ham; and blood specimens from 3 of the ill persons showed eosinophilia. One specimen also yielded a positive flocculation test.

Staphylococcal food poisoning

Dr. Alta Ashley, Maine District Health Officer, reported 3 cases of staphylococcal food poisoning occurring about 4 hours after the ingestion of eclairs. Coagulase-positive Staphylococcus aureus was isolated from eclairs and from a sample of the filling in the bakery refrigerator. Two of the cases were in members of the same household. Other persons who ate eclairs that same day did not become ill, but a local physician said that several persons in the town had been violently ill after eating eclairs during the preceding week. The eclairs were made at a local restaurant from a commercial mixture. The mixture was cooled for an hour and then refrigerated. Only a few eclair shells were filled at a time. The filled eclairs were not refrigerated. It was said the filling was discarded at the end of each day; however, an investigator said the previous day's mix was available on the day of his visit. The restaurant bakery was reported to be fairly clean, but workers hands showed some lesions and inadequately cleaned fingernails.

Gastro-enteritis

Mr. William F. Murphy, City of Cleveland (Ohio) Division of Health, reported an outbreak of 23 cases of gastro-enteritis. Forty persons were exposed to the suspect food vehicle, tapioca pudding. The pudding was the only common food item, but no leftovers remained for laboratory analysis.

## QUARANTINE MEASURES

Immunization Information for International Travel

No changes reported

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**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED APRIL 19, 1958, AND APRIL 18, 1959**

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	BRUCELLOSIS (undulant fever)		DIPHTHERIA 055				ENCEPHALITIS, INFECTION		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
	044		15th week		Cumulative first 15 weeks		082		15th week		Cumulative first 15 weeks	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES <sup>1</sup> -----	18	17	14	14	281	230	29	32	483	450	8,084	5,020
NEW ENGLAND-----	-	-	1	-	4	5	2	2	15	13	265	188
Maine-----	-	-	-	-	-	-	-	-	3	1	50	30
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	8	1
Vermont-----	-	-	-	-	-	-	-	-	-	-	14	6
Massachusetts-----	-	-	1	-	4	4	1	1	6	3	118	83
Rhode Island-----	-	-	-	-	-	-	1	1	4	2	24	27
Connecticut-----	-	-	-	-	-	1	-	-	2	7	51	41
MIDDLE ATLANTIC-----	-	1	-	-	18	22	1	4	76	52	1,115	555
New York-----	-	-	-	-	11	11	-	4	46	32	662	349
New Jersey-----	-	-	-	-	6	-	1	-	12	6	138	59
Pennsylvania-----	-	1	-	-	1	11	-	-	18	14	315	147
EAST NORTH CENTRAL-----	2	3	-	3	16	22	3	6	116	84	1,330	849
Ohio-----	-	-	-	1	5	6	-	1	32	30	389	268
Indiana-----	-	-	-	-	1	8	2	-	8	4	140	90
Illinois-----	2	1	-	1	7	3	-	1	12	24	259	202
Michigan-----	-	-	-	-	1	4	1	3	61	17	463	248
Wisconsin-----	-	2	-	1	2	1	-	1	3	9	79	41
WEST NORTH CENTRAL-----	13	11	3	3	21	24	3	-	31	80	656	507
Minnesota-----	1	1	1	-	8	1	-	-	9	6	152	57
Iowa-----	5	2	-	2	2	4	1	-	-	53	52	113
Missouri-----	-	1	-	-	2	10	-	-	8	4	167	69
North Dakota-----	-	1	-	-	-	1	-	-	9	9	144	77
South Dakota-----	2	1	-	-	2	2	-	-	-	-	7	3
Nebraska-----	1	1	2	1	7	6	-	-	3	2	42	38
Kansas-----	4	4	-	-	-	-	2	-	2	6	92	150
SOUTH ATLANTIC-----	-	2	3	-	63	66	4	7	28	16	810	368
Delaware-----	-	-	-	-	-	-	-	-	2	4	43	15
Maryland-----	-	-	-	-	-	2	-	-	8	3	202	36
District of Columbia-----	-	-	-	-	-	-	-	2	1	-	10	4
Virginia-----	-	-	-	-	4	12	-	-	2	4	156	92
West Virginia-----	-	-	-	-	1	2	-	1	6	-	184	72
North Carolina-----	-	-	-	-	6	11	-	3	-	-	39	19
South Carolina-----	-	-	-	-	4	7	-	1	-	1	13	28
Georgia-----	-	2	1	-	28	20	-	-	7	3	80	38
Florida-----	-	-	2	-	20	12	4	-	2	1	83	64
EAST SOUTH CENTRAL-----	1	-	4	-	37	16	1	2	48	62	775	485
Kentucky-----	-	-	2	-	3	1	-	1	23	41	392	258
Tennessee-----	-	-	-	-	4	3	-	-	10	13	170	123
Alabama-----	1	-	2	-	9	9	-	-	14	5	141	82
Mississippi-----	-	-	-	-	21	3	1	1	1	3	72	22
WEST SOUTH CENTRAL-----	1	-	3	4	111	50	1	2	50	25	568	408
Arkansas-----	-	-	1	1	31	9	-	-	1	3	22	38
Louisiana-----	-	-	2	-	37	5	-	-	11	-	43	4
Oklahoma-----	1	-	-	2	1	12	-	-	5	10	84	71
Texas-----	-	-	-	1	42	24	1	2	33	12	419	295
MOUNTAIN <sup>1</sup> -----	-	-	-	3	8	22	-	-	45	44	1,216	738
Montana-----	-	-	-	-	7	-	-	-	5	19	122	121
Idaho-----	-	-	-	-	1	1	-	-	-	3	143	68
Wyoming-----	-	-	-	-	1	2	-	-	-	-	138	3
Colorado-----	-	-	-	-	2	5	-	-	19	6	357	80
New Mexico-----	-	-	-	3	4	6	-	-	12	5	277	148
Arizona-----	-	-	-	-	1	1	-	-	4	5	199	166
Utah-----	-	-	-	-	-	-	-	-	5	5	67	75
Nevada-----	-	-	-	-	1	-	-	-	-	1	13	77
PACIFIC-----	1	-	-	1	3	3	14	9	74	74	1,349	922
Alaska-----	-	-	-	-	1	-	-	-	-	-	10	(52)
Washington-----	-	-	-	-	-	-	1	-	7	8	210	184
Oregon-----	-	-	-	-	1	1	1	-	16	16	294	113
California-----	1	-	1	-	1	2	12	9	51	50	835	625
Hawaii-----	-	-	-	-	1	-	-	-	-	2	19	20
Puerto Rico-----	-	-	-	1	11	19	-	-	-	11	72	59

<sup>1</sup>Data exclude reports from Idaho and Wyoming for the current week.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED APRIL 19, 1958, AND APRIL 18, 1959—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	POLIOMYELITIS 080										MEASLES	
	Total <sup>2</sup>				Paralytic 080.0,080.1				Nonparalytic		085	
	15th week		Cumulative first 15 weeks		15th week		Cumulative first 15 weeks		080.2		085	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES <sup>1</sup> -----	18	12	334	234	13	5	231	127	3	2	14,815	37,239
NEW ENGLAND-----	-	-	5	6	-	-	5	4	-	-	870	3,713
Maine-----	-	-	-	2	-	-	-	2	-	-	109	211
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	22	185
Vermont-----	-	-	1	-	-	-	1	-	-	-	27	74
Massachusetts-----	-	-	3	1	-	-	3	-	-	-	210	1,773
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	14	562
Connecticut-----	-	-	1	3	-	-	1	2	-	-	488	908
MIDDLE ATLANTIC-----	2	1	24	9	1	-	8	4	1	-	3,629	5,943
New York-----	2	1	19	9	1	-	7	4	1	-	1,153	2,903
New Jersey-----	-	-	2	-	-	-	-	-	-	-	1,341	1,412
Pennsylvania-----	-	-	3	-	-	-	1	-	-	-	1,135	1,628
EAST NORTH CENTRAL-----	2	1	23	22	1	1	14	10	-	-	1,826	8,049
Ohio-----	1	-	11	3	-	-	5	-	-	-	568	1,049
Indiana-----	-	-	1	1	-	-	-	1	-	-	228	938
Illinois-----	-	-	1	4	-	-	-	2	-	-	217	1,056
Michigan-----	-	1	8	11	-	1	7	5	-	-	361	1,694
Wisconsin-----	1	-	2	3	1	-	2	2	-	-	452	3,512
WEST NORTH CENTRAL-----	-	-	34	9	-	-	18	7	-	-	726	956
Minnesota-----	-	-	-	1	-	-	-	1	-	-	42	49
Iowa-----	-	-	-	1	-	-	-	1	-	-	352	449
Missouri-----	-	-	26	1	-	-	17	1	-	-	128	187
North Dakota-----	-	-	1	1	-	-	-	1	-	-	199	159
South Dakota-----	-	-	2	3	-	-	-	1	-	-	2	6
Nebraska-----	-	-	3	2	-	-	1	2	-	-	3	106
Kansas-----	-	-	2	-	-	-	-	-	-	-	(*)	(*)
SOUTH ATLANTIC-----	9	2	75	52	8	1	56	28	1	-	2,081	4,397
Delaware-----	-	-	2	1	-	-	2	1	-	-	37	29
Maryland-----	-	-	-	-	-	-	-	-	-	-	82	189
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	14	57
Virginia-----	-	1	2	3	-	1	2	3	-	-	859	1,116
West Virginia-----	-	-	12	4	-	-	10	4	-	-	299	519
North Carolina-----	2	-	7	10	1	-	5	3	1	-	206	262
South Carolina-----	-	-	6	3	-	-	4	2	-	-	215	877
Georgia-----	1	-	3	6	1	-	3	4	-	-	7	394
Florida-----	6	1	43	25	6	-	30	11	-	-	362	954
EAST SOUTH CENTRAL-----	1	1	30	20	-	-	19	10	1	-	879	3,343
Kentucky-----	-	-	7	9	-	-	6	5	-	-	255	968
Tennessee-----	-	-	9	3	-	-	5	1	-	-	337	1,669
Alabama-----	-	1	1	5	-	-	-	4	-	-	121	623
Mississippi-----	1	-	13	3	-	-	8	-	1	-	166	83
WEST SOUTH CENTRAL-----	2	2	72	38	2	2	58	26	-	-	873	5,974
Arkansas-----	-	1	13	4	-	1	13	4	-	-	24	84
Louisiana-----	-	-	12	6	-	-	10	5	-	-	-	7
Oklahoma-----	-	-	3	3	-	-	2	1	-	-	20	368
Texas-----	2	1	44	25	2	1	33	16	-	-	829	5,515
MOUNTAIN <sup>1</sup> -----	2	1	14	23	1	1	8	9	-	-	1,017	2,113
Montana-----	-	-	1	2	-	-	-	-	-	-	91	359
Idaho-----	-	-	-	-	-	-	1	-	-	-	-	159
Wyoming-----	-	-	11	2	-	-	1	1	-	-	-	49
Colorado-----	-	1	2	5	-	1	2	4	-	-	152	356
New Mexico-----	-	-	4	10	-	-	1	3	-	-	286	544
Arizona-----	1	-	5	2	1	-	5	1	-	-	362	493
Utah-----	1	-	2	1	-	-	-	-	-	-	126	126
Nevada-----	-	-	-	1	-	-	-	-	-	-	-	27
PACIFIC-----	-	4	57	55	-	-	45	29	-	2	2,914	2,751
Alaska-----	-	-	-	-	-	-	-	-	-	-	3	(28)
Washington-----	-	2	4	6	-	-	-	-	-	-	555	571
Oregon-----	-	-	3	5	-	-	3	3	-	-	226	359
California-----	-	2	50	44	-	-	42	26	-	2	2,130	1,821
Hawaii-----	-	-	3	2	-	-	3	2	-	-	68	10
Puerto Rico-----	-	2	3	23	-	2	3	20	-	-	68	97

<sup>1</sup>Data exclude reports from Idaho and Wyoming for the current week.<sup>2</sup>Includes cases not specified by type, category number 080.3.

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**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED APRIL 19, 1958 AND APRIL 18, 1959--Continued**

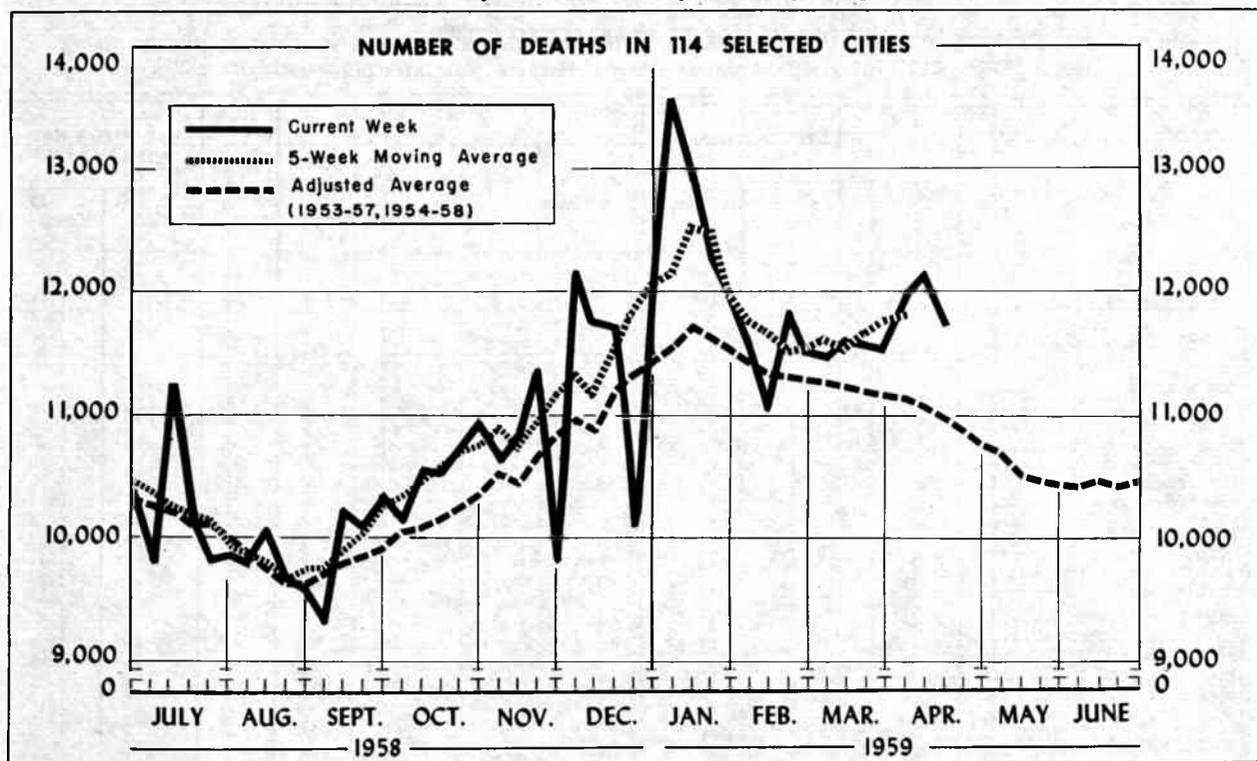
(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	MALARIA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS	TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	110-117	057		340	096.2	15th week		Cumulative first 15 weeks		101	1959	1958
	1959	1959	1958	1959	1959	1959	1958	1959	1958	1959	1959	1958
CONF. UNITED STATES <sup>1</sup> -----	1	53	45	52	2	5	16	145	207	1	76	112
NEW ENGLAND-----	1	2	2	6	-	-	-	2	2	-	-	-
Maine-----	-	-	-	1	-	-	-	-	1	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	-	-	3	-	-	-	-	1	-	-	-
Rhode Island-----	1	1	1	2	-	-	-	1	-	-	-	-
Connecticut-----	1	1	1	-	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC-----	-	11	6	-	1	-	1	16	22	-	3	3
New York-----	-	5	3	-	1	-	-	5	7	-	3	-
New Jersey-----	-	1	-	-	-	-	-	5	7	-	-	-
Pennsylvania-----	-	5	3	-	-	-	1	6	8	-	-	3
EAST NORTH CENTRAL-----	-	12	7	12	1	-	-	14	20	-	8	23
Ohio-----	-	3	1	-	-	-	-	7	7	-	5	13
Indiana-----	-	2	-	5	-	-	-	2	5	-	3	7
Illinois-----	-	2	4	3	1	-	-	1	-	-	-	1
Michigan-----	-	2	2	4	-	-	-	3	4	-	-	-
Wisconsin-----	-	3	-	-	-	-	-	1	4	-	-	2
WEST NORTH CENTRAL-----	-	5	4	1	-	-	1	6	23	-	15	15
Minnesota-----	-	-	-	-	-	-	-	-	2	-	7	4
Iowa-----	-	-	-	1	-	-	-	-	4	-	-	3
Missouri-----	-	2	1	-	-	-	-	3	11	-	5	5
North Dakota-----	-	1	-	-	-	-	-	1	-	-	1	2
South Dakota-----	-	1	2	-	-	-	-	-	-	-	-	-
Nebraska-----	-	1	1	-	-	-	-	-	1	-	2	1
Kansas-----	-	-	-	-	-	-	1	2	5	-	-	-
SOUTH ATLANTIC-----	-	9	8	10	-	1	7	36	39	1	11	21
Delaware-----	-	-	-	-	-	-	-	-	-	-	-	-
Maryland-----	-	1	1	1	-	-	-	-	2	-	-	-
District of Columbia-----	-	2	1	1	-	-	1	1	2	-	-	-
Virginia-----	-	3	2	4	-	-	-	7	3	-	2	5
West Virginia-----	-	-	-	-	-	-	-	2	7	-	-	3
North Carolina-----	-	1	1	-	-	-	-	6	10	1	3	1
South Carolina-----	-	1	-	-	-	-	-	3	2	-	-	4
Georgia-----	-	-	3	2	-	1	2	4	4	-	2	5
Florida-----	-	1	-	2	-	-	4	13	9	-	4	3
EAST SOUTH CENTRAL-----	-	2	4	8	-	-	1	14	21	-	21	21
Kentucky-----	-	1	1	6	-	-	1	2	6	-	8	11
Tennessee-----	-	1	1	1	-	-	-	6	7	-	5	6
Alabama-----	-	-	1	-	-	-	-	2	7	-	8	3
Mississippi-----	-	-	1	1	-	-	-	4	1	-	-	1
WEST SOUTH CENTRAL-----	-	5	8	5	-	1	4	28	48	-	17	23
Arkansas-----	-	1	-	-	-	-	-	4	1	-	6	6
Louisiana-----	-	4	2	-	-	-	2	6	26	-	-	8
Oklahoma-----	-	-	3	1	-	1	1	5	3	-	-	4
Texas-----	-	-	3	4	-	-	1	13	18	-	11	5
MOUNTAIN <sup>1</sup> -----	-	-	3	2	-	1	1	9	11	-	1	1
Montana-----	-	-	-	-	-	-	-	1	1	-	-	-
Idaho-----	-	-	-	-	-	-	1	2	4	-	-	-
Wyoming-----	-	-	1	-	-	-	-	1	-	-	-	-
Colorado-----	-	-	1	-	-	-	-	-	-	-	-	-
New Mexico-----	-	-	-	1	-	-	-	1	5	-	-	-
Arizona-----	-	-	-	-	-	1	-	4	1	-	1	1
Utah-----	-	-	-	1	-	-	-	-	-	-	-	-
Nevada-----	-	-	1	-	-	-	-	-	-	-	-	-
PACIFIC-----	-	7	3	8	-	2	1	20	21	-	-	5
Alaska-----	-	-	-	-	-	-	-	1	-	-	-	-
Washington-----	-	3	1	2	-	-	-	1	-	-	-	-
Oregon-----	-	-	-	-	-	-	-	1	5	-	-	-
California-----	-	4	2	<sup>3</sup> 6	-	2	1	17	16	-	-	5
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	1	-	-	-	-	-	3	2	8	-	2	-

<sup>1</sup>Data exclude reports from Idaho and Wyoming for the current week.

<sup>3</sup>Aseptic meningitis.

## Morbidity and Mortality Weekly Report



The chart shows the number of deaths reported for 114 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week and an adjusted average, 1954-58, for comparison. The adjusted average is computed as follows: From the total deaths reported each week for the years 1954-58, 3 central figures are selected by eliminating the highest and lowest figures reported for that week. A 5-week moving average of the arithmetic means of the 3 central figures is then computed. The adjusted average shown in the chart is this moving average increased by 2.3 percent to allow for estimated population growth in the cities.

The use of the adjusted average is based on the assumption that the crude death rate and changes in population will remain at the level of recent years. No allowance has been made for increased use of city hospital facilities.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in a specified city. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week an estimate is made for use in plotting the figure in the chart.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations, and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN 114 SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence, and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

AREA	15th week ended Apr. 18, 1959	14th week ended Apr. 11, 1959	Adjusted average, 15th week 1954-58	Percent change, adjusted average to current week <sup>1</sup>	CUMULATIVE NUMBER FIRST 15 WEEKS		
					1959	1958	Percent change
TOTAL, REPORTING CITIES-----	<sup>2</sup> 11,774	12,131	10,980	+7.2	<sup>2</sup> 179,090	185,760	-3.6
New England----- (14 cities)	771	742	712	+8.3	11,460	11,674	-1.8
Middle Atlantic----- (20 cities)	<sup>2</sup> 3,636	3,743	3,264	+11.4	<sup>2</sup> 52,479	54,355	-3.5
East North Central----- (19 cities)	<sup>2</sup> 2,504	2,645	2,364	+5.9	<sup>2</sup> 37,989	39,483	-3.8
West North Central----- (9 cities)	765	753	775	-1.3	12,433	13,061	-4.8
South Atlantic----- (11 cities)	999	1,000	909	+9.9	15,211	16,549	-8.1
East South Central----- (8 cities)	473	556	486	-2.7	8,054	8,931	-9.8
West South Central----- (13 cities)	869	911	856	+1.5	14,806	15,652	-5.4
Mountain----- (8 cities)	329	349	270	+21.9	5,001	4,702	+6.4
Pacific----- (12 cities)	1,428	1,432	1,342	+6.4	21,657	21,353	+1.4

<sup>1</sup>Adjusted average used as base.

<sup>2</sup>Includes estimate for missing cities.

# Morbidity and Mortality Weekly Report

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**Table 4. DEATHS IN SELECTED CITIES**

(By place of occurrence, and week of filing certificate. Excludes fetal deaths)

AREA	15th week ended Apr. 18, 1959	14th week ended Apr. 11, 1959	CUMULATIVE NUMBER FIRST 15 WEEKS		AREA	15th week ended Apr. 18, 1959	14th week ended Apr. 11, 1959	CUMULATIVE NUMBER FIRST 15 WEEKS	
			1959	1958				1959	1958
<b>NEW ENGLAND:</b>					<b>WEST NORTH CENTRAL—Con.:</b>				
Boston, Mass.-----	256	276	3,903	4,021	St. Louis, Mo.-----	223	253	3,873	4,201
Bridgeport, Conn.-----	45	48	664	651	St. Paul, Minn.-----	51	57	1,015	1,197
Cambridge, Mass.-----	31	34	453	480	Wichita, Kans.-----	42	40	738	715
Fall River, Mass.-----	32	29	445	445	<b>SOUTH ATLANTIC:</b>				
Hartford, Conn.-----	56	52	788	833	Atlanta, Ga.-----	116	116	1,764	1,857
Lowell, Mass.-----	24	29	361	453	Baltimore, Md.-----	259	257	3,811	4,223
Lynn, Mass.-----	26	28	379	338	Charlotte, N. C.-----	34	37	575	565
New Bedford, Mass.-----	28	19	378	397	Jacksonville, Fla.-----	66	54	918	1,048
New Haven, Conn.-----	42	38	727	781	Miami, Fla.-----	63	70	1,144	1,267
Providence, R. I.-----	78	72	1,094	1,082	Norfolk, Va.-----	45	41	657	598
Somerville, Mass.-----	16	9	220	229	Richmond, Va.-----	65	87	1,191	1,245
Springfield, Mass.-----	44	34	731	642	Savannah, Ga.-----	32	26	505	574
Waterbury, Conn.-----	29	26	436	441	St. Petersburg, Fla.-----	(60)	(80)	(1,139)	(1,230)
Worcester, Mass.-----	64	48	861	881	Tampa, Fla.-----	70	63	1,025	1,199
<b>MIDDLE ATLANTIC:</b>					<b>EAST SOUTH CENTRAL:</b>				
Albany, N. Y.-----	62	73	902	842	Birmingham, Ala.-----	67	69	1,285	1,513
Allentown, Pa.-----	51	50	590	539	Chattanooga, Tenn.-----	46	41	735	838
Buffalo, N. Y.-----	152	170	2,250	2,578	Knoxville, Tenn.-----	28	20	419	476
Camden, N. J.-----	42	57	635	732	Louisville, Ky.-----	129	131	1,776	1,871
Elizabeth, N. J.-----	26	40	446	487	Memphis, Tenn.-----	79	139	1,790	1,943
Erie, Pa.-----	29	38	556	537	Mobile, Ala.-----	37	53	608	687
Jersey City, N. J.-----	82	102	1,267	1,205	Montgomery, Ala.-----	29	35	508	598
Newark, N. J.-----	130	125	1,686	1,582	Nashville, Tenn.-----	58	68	933	1,005
New York City, N. Y.-----	1,922	2,029	27,025	27,461	<b>WEST SOUTH CENTRAL:</b>				
Paterson, N. J.-----	39	47	627	711	Austin, Tex.-----	27	22	479	547
Philadelphia, Pa.-----	496	494	8,031	8,667	Baton Rouge, La.-----	18	28	450	473
Pittsburgh, Pa.-----	232	152	2,977	3,272	Corpus Christi, Tex.-----	36	13	316	344
Reading, Pa.-----	126	18	348	356	Dallas, Tex.-----	109	117	1,804	1,889
Rochester, N. Y.-----	101	97	1,525	1,664	El Paso, Tex.-----	40	34	575	614
Schenectady, N. Y.-----	31	28	368	388	Fort Worth, Tex.-----	64	51	1,006	1,008
Scranton, Pa.-----	37	44	615	570	Houston, Tex.-----	130	138	2,404	2,612
Syracuse, N. Y.-----	76	61	984	956	Little Rock, Ark.-----	47	72	901	872
Trenton, N. J.-----	32	52	688	848	New Orleans, La.-----	145	162	2,653	2,967
Utica, N. Y.-----	24	25	463	442	Oklahoma City, Okla.-----	62	70	1,057	1,110
Yonkers, N. Y.-----	46	41	496	518	San Antonio, Tex.-----	106	98	1,553	1,581
<b>EAST NORTH CENTRAL:</b>					<b>WEST SOUTH CENTRAL:</b>				
Akron, Ohio-----	65	58	927	935	Shreveport, La.-----	49	50	822	799
Canton, Ohio-----	33	25	522	455	Tulsa, Okla.-----	34	56	786	836
Chicago, Ill.-----	852	897	12,061	12,728	<b>MOUNTAIN:</b>				
Cincinnati, Ohio-----	185	189	2,571	2,734	Albuquerque, N. Mex.-----	22	37	463	428
Cleveland, Ohio-----	198	178	3,292	3,533	Colorado Springs, Colo.-----	16	14	264	219
Columbus, Ohio-----	120	124	1,788	1,919	Denver, Colo.-----	129	133	1,804	1,845
Dayton, Ohio-----	84	72	1,056	1,232	Ogden, Utah-----	13	17	254	217
Detroit, Mich.-----	307	368	5,207	5,160	Phoenix, Ariz.-----	53	49	849	753
Evansville, Ind.-----	37	53	601	636	Pueblo, Colo.-----	13	13	199	190
Flint, Mich.-----	140	42	631	592	Salt Lake City, Utah-----	54	57	758	722
Fort Wayne, Ind.-----	34	53	573	583	Tucson, Ariz.-----	29	29	391	328
Gary, Ind.-----	23	38	497	505	<b>PACIFIC:</b>				
Grand Rapids, Mich.-----	52	39	662	692	Berkeley, Calif.-----	13	21	281	316
Indianapolis, Ind.-----	134	157	2,281	2,028	Fresno, Calif.-----	(33)	(42)	(630)	(565)
Madison, Wis.-----	(24)	(38)	(432)	(503)	Glendale, Calif.-----	(52)	(51)	(595)	(541)
Milwaukee, Wis.-----	133	143	2,076	2,275	Long Beach, Calif.-----	64	62	894	824
Peoria, Ill.-----	31	43	474	554	Los Angeles, Calif.-----	504	508	7,792	7,893
Rockford, Ill.-----	(25)	(18)	(432)	(420)	Oakland, Calif.-----	100	99	1,515	1,504
South Bend, Ind.-----	25	21	407	441	Pasadena, Calif.-----	35	34	487	561
Toledo, Ohio-----	101	103	1,523	1,639	Portland, Ore.-----	100	132	1,820	1,547
Youngstown, Ohio-----	50	42	840	842	Sacramento, Calif.-----	59	63	837	806
<b>WEST NORTH CENTRAL:</b>					<b>PACIFIC:</b>				
Des Moines, Iowa-----	59	49	882	871	San Diego, Calif.-----	86	89	1,307	1,337
Duluth, Minn.-----	24	24	401	390	San Francisco, Calif.-----	203	190	3,115	3,160
Kansas City, Kans.-----	35	37	494	474	San Jose, Calif.-----	(23)	(26)	(399)	(350)
Kansas City, Mo.-----	127	90	1,898	2,036	Seattle, Wash.-----	139	126	2,152	2,110
Lincoln, Nebr.-----	(23)	(29)	(406)	(405)	Spokane, Wash.-----	66	58	790	707
Minneapolis, Minn.-----	138	129	1,992	2,060	Tacoma, Wash.-----	59	50	667	588
Omaha, Nebr.-----	66	74	1,140	1,117	Honolulu, Hawaii-----	(41)	(41)	(566)	(598)

<sup>1</sup>Estimated.

<sup>2</sup>Includes estimate for current week.

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## EXPLANATION OF SYMBOLS USED IN TABLES

Data not available-----	---
Quantity zero-----	-
Percent more than 0 but less than 0.05-----	0.0
Disease stated not notifiable-----	*
Figures within parentheses not included in totals--	( )

## SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from health departments of each State and of Hawaii and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cumulative totals are routinely revised to include corrected and revised figures and delayed reports. In table 1, data for Alaska are included for 1959 but not for prior years. In table 2, total figures for the United States and the Pacific Division include figures for Alaska for 1959 only. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence (cholera, dengue, plague, louse-borne relapsing fever, small-pox, louse-borne epidemic typhus, and yellow fever) are reported, this will be noted below table 1.

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